

FIG. 1

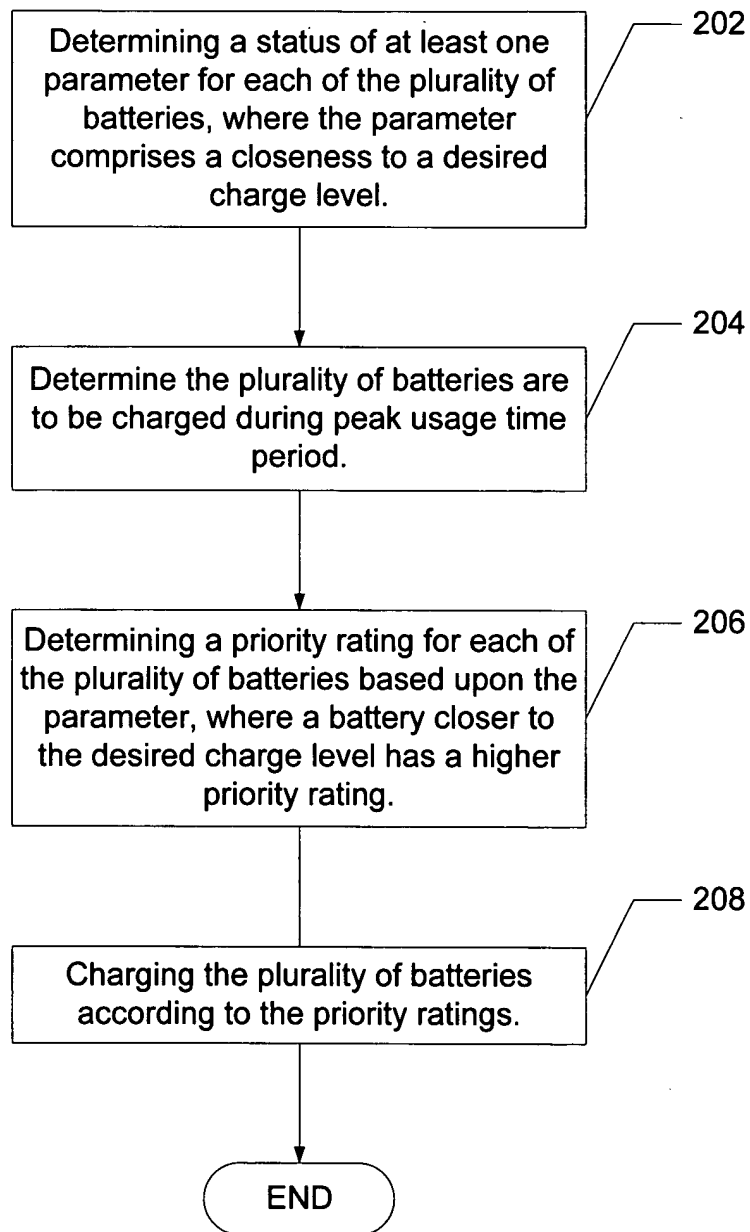


FIG. 2

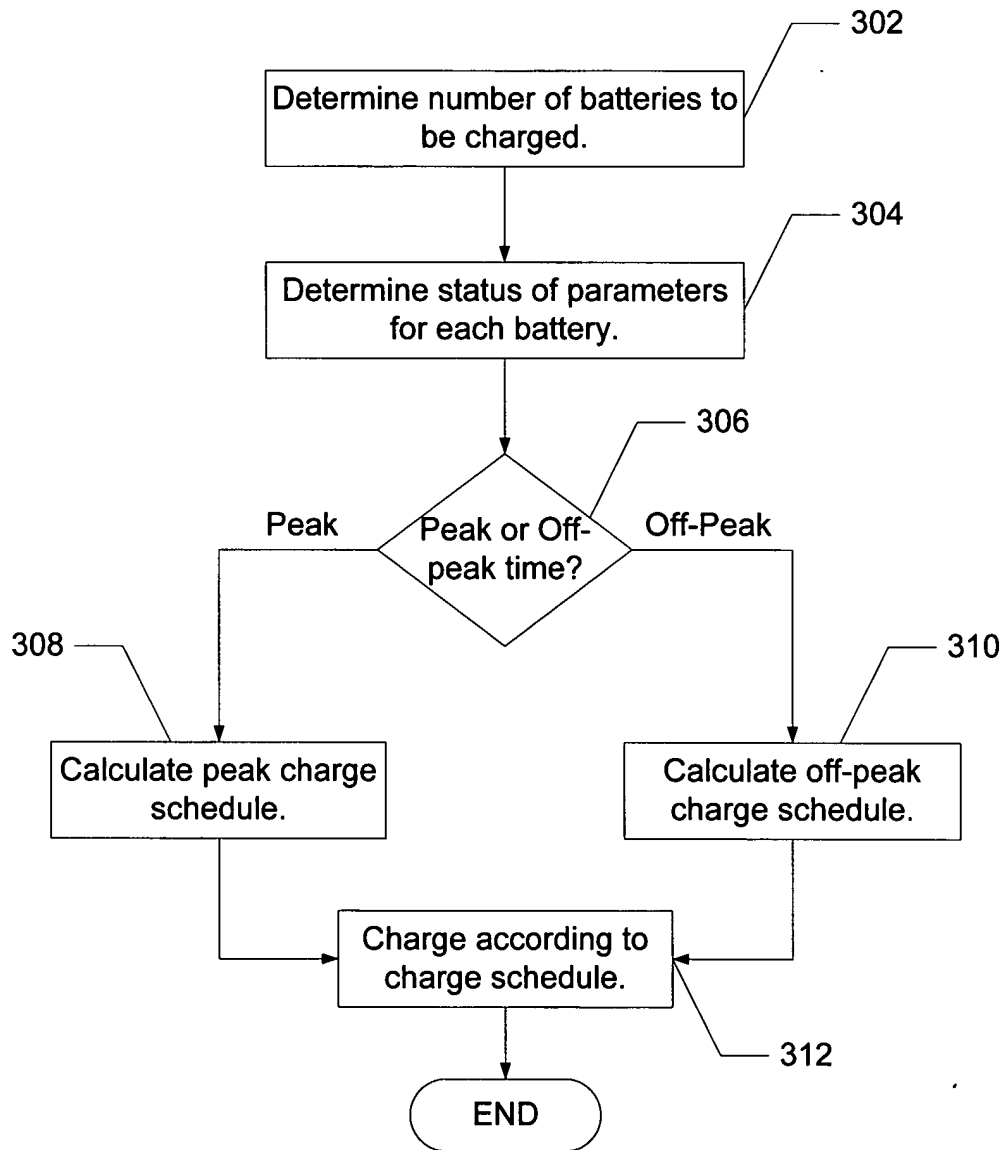


FIG. 3

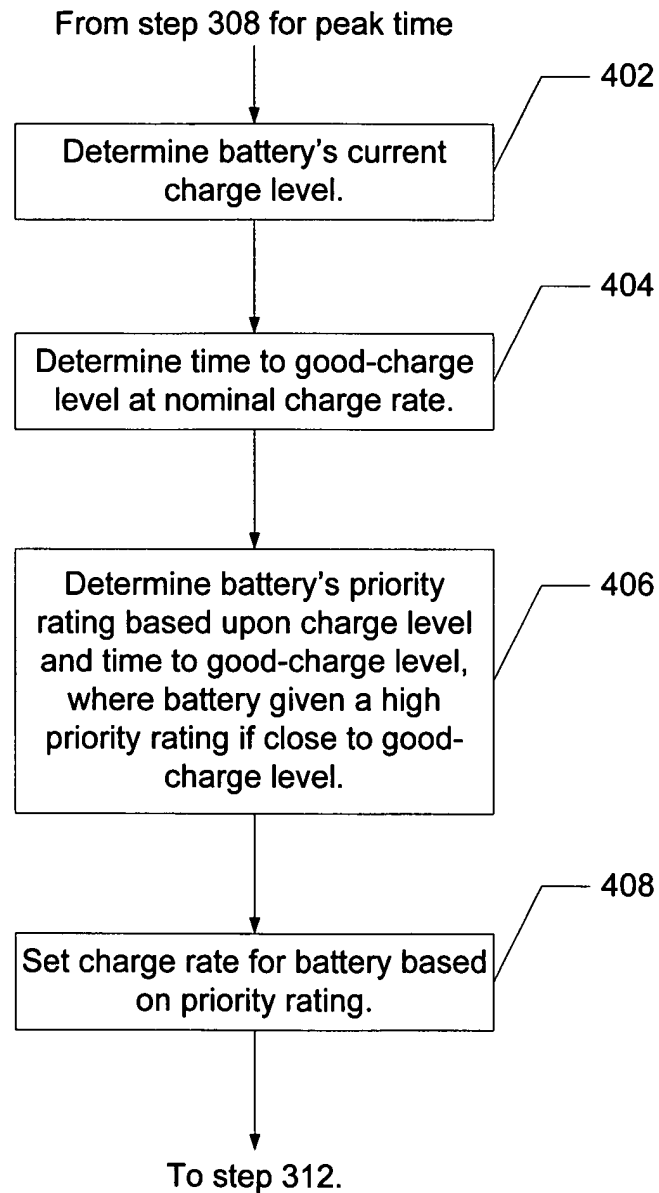


FIG. 4

From step 308 for off-peak time

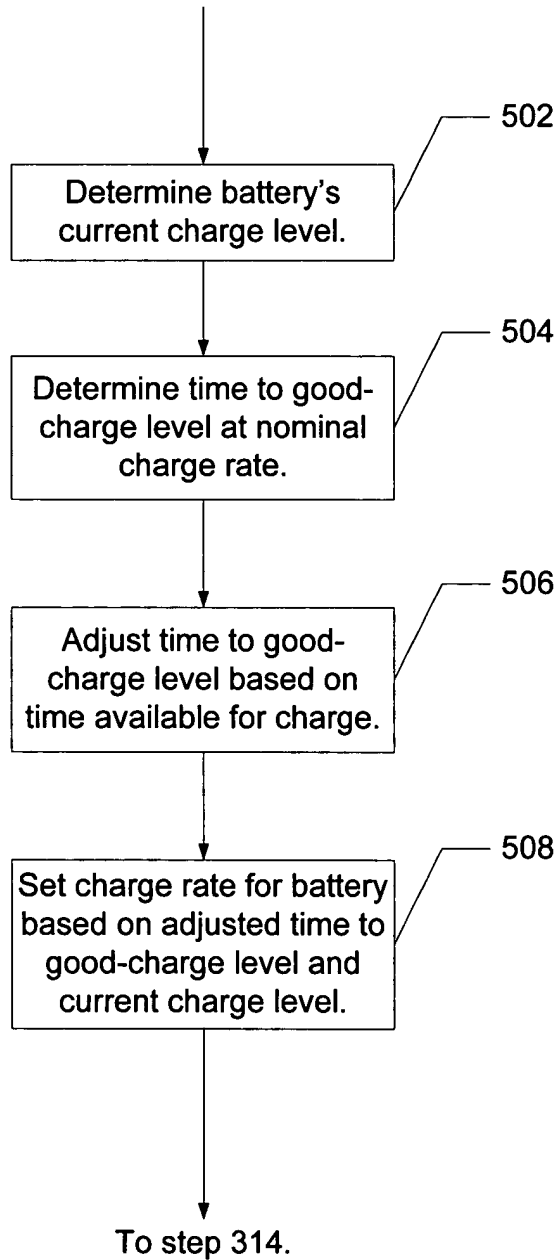


FIG. 5

Table 1: Example of Calculated Peak Charge Schedule

Battery ID or S/N	Battery Charge Level	Battery's Priority Rating	Battery's Charge Rate
8	95%	1	1.0C
5	80%	1	1.0C
7	40%	1	1.0C
1	20%	1	0.7C
6	10%	1	0.7C
9	5%	1	0.7C
3	90%	2	0.5C
2	60%	2	0.5C
4	85%	3	0.5C

Table 2: Example of Calculated Off-Peak Charge Schedule

Battery ID or S/N	Battery Charge Level	Est. Time to Good-Charge	Adjusted Charge Rate	Adj. Time to Good-Charge
8	95%	0.7 hours	0.5C	1.0 hour
5	80%	2.8 hours	0.5C	4.0 hours
7	40%	8.5 hours	0.7C	8.5 hours
1	20%	11.4 hours	0.7C	11.4 hours
6	10%	12.7 hours	0.7C	12.7 hours
9	5%	13.5 hours	0.7C	13.5 hours
3	90%	1.4 hours	0.5C	2 hours
2	60%	5.7 hours	0.5C	8 hours
4	85%	2.1 hours	0.5C	3 hours

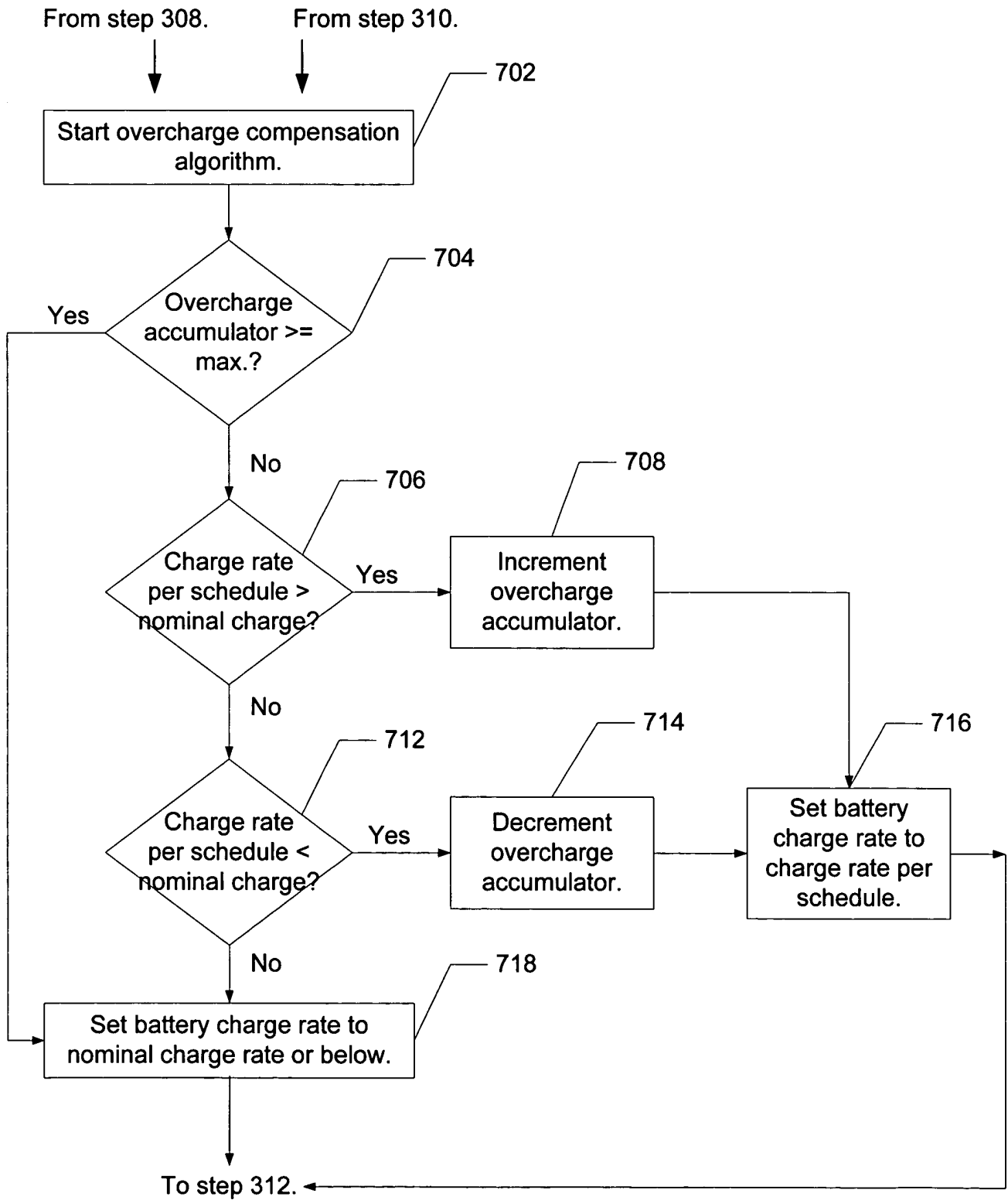


FIG. 7